



101 039867

C 265  
DI

PTO/SB/21 (09-04)  
Approved for use through 07/31/2006. OMB 0651-0031  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE  
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

<b>TRANSMITTAL FORM</b>  (to be used for all correspondence after initial filing)	Application Number	Patent#: 7,024,445	
	Filing Date	Issued: April 4, 2006	
	First Named Inventor	Jieming Qi	
	Art Unit	2193	
	Examiner Name	T. V. Mai	
Total Number of Pages in This Submission	9	Attorney Docket Number	A0312.70418US00

ENCLOSURES (Check all that apply)		
<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Reply to Missing Parts/Incomplete Application <input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____ <div style="border: 1px solid black; width: 100px; height: 40px; margin: 5px 0;"></div> Landscape Table on CD	<input type="checkbox"/> After Allowance Communication to TC <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): Suppl. Request for Certificate of Correction Pursuant to 37 CFR 1.322 Suppl. Certificate of Correction Original Req. for Cert. of Correc. Documents & Issued Cert. of Correction Return Receipt Postcard
<div style="border: 1px solid black; width: 100px; height: 20px; display: inline-block;"></div> Remarks  The Director is authorized to charge deposit account no. 23/2825 for any fee deficiency incurred with this filing.		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT			
Firm Name	WOLF, GREENFIELD & SACKS, P.C.		
Signature	<i>William R. McClellan</i>		
Printed name	William R. McClellan		
Date	September 5, 2006	Reg. No.	29,409

**Certificate of Correction**  
SEP 12 2006

Certificate of Mailing Under 37 CFR 1.8(a)	
I hereby certify that this paper (along with any paper referred to as being attached or enclosed) is being deposited with the U.S. Postal Service on the date shown below with sufficient postage as First Class Mail, in an envelope addressed to: Mail Stop Certificate of Correction Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.	
Dated: September 5, 2006	Signature: <i>Doris A. Champagne</i> (Doris A. Champagne)

1073613

SEP 13 2006




Docket No.: A0312.70418US00  
(PATENT)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Jieming Qi  
Patent No.: 7,024,445  
Issue Date: April 4, 2006  
Serial No.: 10/039,867  
Filed: December 20, 2001  
Confirmation No.: 8359  
For: METHOD AND APPARATUS FOR USE IN BOOTH-ENCODED  
MULTIPLICATION

Examiner: T. V. Mai  
Art Unit: 2193

<b>Certificate of Mailing Under 37 CFR 1.8(a)</b>	
I hereby certify that this paper (along with any paper referred to as being attached or enclosed) is being deposited with the U.S. Postal Service on the date shown below with sufficient postage as First Class Mail, in an envelope addressed to: Attention: Certificate of Correction Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.	
Dated: <u>Sept. 5, 2006</u>	 Doris A. Champagne

**SUPPLEMENTAL REQUEST FOR CERTIFICATE OF CORRECTION  
PURSUANT TO 37 CFR 1.322**

Attention: Certificate of Correction Branch  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

Upon reviewing the Certificate of Correction dated August 22, 2006 for the above-identified patent, Patentee noted a typographical error which should be corrected.

In claim 29, col. 16, line 43, it was originally requested to change 'aa<sub>1,1</sub>' to "aa<sub>1,-1</sub>". However, the Certificate of Correction lists the correction as "aa<sub>1,-1</sub>". Copies of the original Request for Certificate of Correction documents and the issued Certificate of Correction are enclosed.

SEP 13 2006

Since the error was not made by the Applicant, it is believed that no fee is required.

Transmitted herewith is a supplemental Certificate of Correction effecting this change.  
Patentee respectfully requests the granting of the supplemental Certificate of Correction.

Dated: September 5, 2006

Respectfully submitted,

By William R. McClellan  
William R. McClellan  
Registration No.: 29,409  
WOLF, GREENFIELD & SACKS, P.C.  
Federal Reserve Plaza  
600 Atlantic Avenue  
Boston, Massachusetts 02210-2206  
(617) 646-8000



PTO/SB/21 (09-04)

Approved for use through 07/31/2006. OMB 0651-0031  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

**TRANSMITTAL  
FORM**

(to be used for all correspondence after initial filing)

<b>TRANSMITTAL FORM</b>  (to be used for all correspondence after initial filing)	Application Number	Patent#: 7,024,445	
	Filing Date	Issued: April 4, 2006	
	First Named Inventor	Jieming Qi	
	Art Unit	2193	
	Examiner Name	T. V. Mai	
Total Number of Pages in This Submission	4	Attorney Docket Number	A0312.70418US00

**ENCLOSURES (Check all that apply)**

<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Reply to Missing Parts/Incomplete Application <input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____ <input type="checkbox"/> Landscape Table on CD	<input type="checkbox"/> After Allowance Communication to TC <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): <b>Request for Certificate of Correction Pursuant to 37 CFR 1.322</b> <b>Certificate of Correction</b>
<div>Remarks</div>		

**SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT**

Firm Name	WOLF, GREENFIELD & SACKS, P.C.		
Signature	<i>William R. McClellan</i>		
Printed name	William R. McClellan		
Date	May 17, 2006	Reg. No.	29,409

**Certificate of Mailing Under 37 CFR 1.8(a)**

I hereby certify that this paper (along with any paper referred to as being attached or enclosed) is being deposited with the U.S. Postal Service on the date shown below with sufficient postage as First Class Mail, in an envelope addressed to: Mail Stop Certificate of Correction Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Dated: May 17, 2006

Signature: *Paula K. Fairweather* (Paula K. Fairweather)

1028948.1

SEP 13 2006



Docket No.: A0312.70418US00  
(PATENT)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Jieming Qi  
Patent No.: 7,024,445  
Issue Date.: April 4, 2006  
Serial No.: 10/039,867  
Filed: December 20, 2001  
Confirmation No.: 8359  
For: METHOD AND APPARATUS FOR USE IN BOOTH-ENCODED  
MULTIPLICATION  
Examiner: T. V. Mai  
Art Unit: 2193

Certificate of Mailing Under 37 CFR 1.8(a)

I hereby certify that this paper (along with any paper referred to as being attached or enclosed) is being deposited with the U.S. Postal Service on the date shown below with sufficient postage as First Class Mail, in an envelope addressed to: Attention: Certificate of Correction Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Dated: May 17, 2006

*Paula K. Fairweather*  
Paula K. Fairweather

REQUEST FOR CERTIFICATE OF CORRECTION  
PURSUANT TO 37 CFR 1.322

Attention: Certificate of Correction Branch  
Commissioner for Patents  
P.O. Box 1450<sub>i-1</sub>  
Alexandria, VA 22313-1450

Dear Sir:

Upon reviewing the above-identified patent, Patentee noted typographical errors which should be corrected.

In the Claims:

In claim 4, col. 14, line 22, change 'claim' to "claims"

In claim 25, col. 16, line 11, change 's<sub>2aa.2</sub>' to "s<sub>2aa.2</sub>".

In claim 29, col. 16, line 42, change 'a<sub>i, i-1</sub>' to "a<sub>i, a<sub>i-1</sub></sub>".

In claim 29, col. 16, line 43, change 'aa<sub>1.1</sub>' to "aa<sub>1, -1</sub>".

In claim 29, col. 16, line 47, change 'a<sub>1</sub> NOT(b<sub>j+1</sub>)' to "a<sub>1-1</sub> NOT(b<sub>j+1</sub>)".

SEP 13 2006

The errors were not in the application as filed by applicant; accordingly no fee is required.

Transmitted herewith is a proposed Certificate of Correction effecting such amendment. Patentee respectfully solicits the granting of the requested Certificate of Correction.

Dated: May 17, 2006

Respectfully submitted,

By William R. McClellan  
William R. McClellan  
Registration No.: 29,409  
WOLF, GREENFIELD & SACKS, P.C.  
Federal Reserve Plaza  
600 Atlantic Avenue  
Boston, Massachusetts 02210-2206  
(617) 646-8000

**UNITED STATES PATENT AND TRADEMARK OFFICE  
SUPPLEMENTAL CERTIFICATE OF CORRECTION**Page 1 of 1

PATENT NO. : 7,024,445  
APPLICATION NO. : 10/039,867  
ISSUE DATE : April 4, 2006  
INVENTOR(S) : Jieming Qi

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In claim 29, col. 16, line 43, change 'aa<sub>1-1</sub>' to "aa<sub>1</sub>, -1".

**Certificate of Mailing Under 37 CFR 1.8(a)**

I hereby certify that this paper (along with any paper referred to as being attached or enclosed) is being deposited with the U.S. Postal Service on the date shown below with sufficient postage as First Class Mail, in an envelope addressed to: Attention: Certificate of Correction Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Dated: Sept. 5, 2006Signature: Doris A. Champagne (Doris A. Champagne)

MAILING ADDRESS OF SENDER (Please do not use customer number below):

William R. McClellan  
WOLF, GREENFIELD & SACKS, P.C.  
Federal Reserve Plaza  
600 Atlantic Avenue  
Boston, Massachusetts 02210-2206

1

UNITED STATES PATENT AND TRADEMARK OFFICE  
CERTIFICATE OF CORRECTION

Page 1 of 1

PATENT NO. : 7,024,445  
APPLICATION NO. : 10/039,867  
ISSUE DATE : April 4, 2006  
INVENTOR(S) : Jieming Qi

It is certified that errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In the Claims:

In claim 4, col. 14, line 22, change 'claim' to "claims".

In claim 25, col. 16, line 11, change 's<sub>2</sub>aa<sub>2</sub>' to "s<sub>2</sub>aa<sub>2</sub>".

In claim 29, col. 16, line 42, change 'a<sub>i</sub>, i-1' to "a<sub>i</sub>, a<sub>i-1</sub>".

In claim 29, col. 16, line 43, change 'aa<sub>1-1</sub>' to "aa<sub>1, -1</sub>".

In claim 29, col. 16, line 47, change 'a<sub>-1</sub> NOT(b<sub>j+1</sub>)' to "a<sub>i-1</sub> NOT(b<sub>j+1</sub>)".

Certificate of Mailing Under 37 CFR 1.8(a)

I hereby certify that this paper (along with any paper referred to as being attached or enclosed) is being deposited with the U.S. Postal Service on the date shown below with sufficient postage as First Class Mail, in an envelope addressed to: Attention: Certificate of Correction Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450

Dated: May 17, 2006

Signature:  (Paula K. Fairweather)

MAILING ADDRESS OF SENDER (Please do not use customer number below):

William R. McClellan  
WOLF, GREENFIELD & SACKS, P.C.  
Federal Reserve Plaza  
600 Atlantic Avenue  
Boston, Massachusetts 02210-2206

1

1024059.1

SEP 13 2006

UNITED STATES PATENT AND TRADEMARK OFFICE  
**CERTIFICATE OF CORRECTION**

PATENT NO. : 7,024,445 B2  
APPLICATION NO. : 10/039867  
DATED : April 4, 2006  
INVENTOR(S) : Jieming Qi

Page 1 of 1

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

**In the Claims:**

In claim 4, col. 14, line 22, change 'claim' to "claims".

In claim 25, col. 16, line 11, change ' $s_2aa_2$ ' to " $s_2aa_2$ ".

In claim 29, col. 16, line 42, change ' $a_i, i-1$ ' to " $a_i, a_{i-1}$ ".

In claim 29, col. 16, line 43, change ' $aa_{i-1}$ ' to " $aa_i, i$ ".

In claim 29, col. 16, line 47, change ' $a_i \text{ NOT}(b_{j+1})$ ' to " $a_{i-1} \text{ NOT}(b_{j+1})$ ".



Signed and Sealed this

Twenty-second Day of August, 2006

A black and white photograph of a signature, which appears to read "Jon W. Dudas", written in ink on a textured surface.

JON W. DUDAS  
*Director of the United States Patent and Trademark Office*

SEP 18 2006